Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_

**Notes Questions for the Unit 7 Notes, Part 2 – Calvin Cycle and Exceptions to Normal Photosynthesis**

Mrs. Krouse, AP Biology

1) What is the overall goal of the Calvin Cycle? Why are NADPH and ATP necessary for the Calvin Cycle to occur?

2) What is the role of Rubisco in the Calvin Cycle?

3) What is photorespiration? (Use the term Rubisco in your response.)

4) How do C4 plants prevent Rubisco from fixing oxygen gas instead of carbon dioxide?

5) How do CAM plants prevent Rubisco from fixing oxygen gas instead of carbon dioxide?

6) Why do CAM plants tend to survive well in hot, dry environments?

7) Describe the difference between spatial and temporal separation.